

### **Abstract**

Disclosed is to provide generally to a microfiber substrate of improved carding ability and its manufacturing method, and more particularly to a micro-fiber spun by conjugated melting of crystallization difference of high crystallization polymer and low crystallization polyester, drawn to form an unsplit microfiber staple having a layer of thin film in its surrounding, the said microfiber staple which is still kept in unsplitting state during opening , carding and lapping treatment , will be split just at the layer of thin layer of its surrounding of the said microfiber staple by spunlace to completely split from the said microfiber , knitted to form water-jet punch web, then subject to hot water to shrink to densification. The microfiber nonwoven web excellent in the wiping effect, cleaning effect and microfiber artificial leather excellent in the hand feeling and fluff compaction without environment pollution is enabled to offer the artificial leather more cheaply and easily finished.